

Abstract of the Disclosure

A magnetic core as a magnetic material that acts on an electromagnetic characteristic of the generated magnetic field and a magnetic field shield member that shields the magnetic field generated by magnetic field generation unit are structured such that magnetic particles are arranged in a base material under a dispersed state. As a result, a magnetic core in which an inductance can be set and a magnetic field shield member in which magnetic field leakage can be suppressed effectively, as well as an excitation coil, a transformer, electric equipment and an electrophotographic apparatus using them are easily provided at low costs.